

MAKSIMOWICZ-MILOSZ, Elzbieta; HILGERTNER, Leszek

Covar and covar glass in Poland and abroad. Przegl elektroniki 2 no.7:
425-441 '61.

1. Przemyslowy Instytut Elektroniki (for Maksymowicz-Miloss) 2. Zaklady
Szklarskie - Ozarow, Biuro Rozwojowe (for Hilgertner)

(Fernico)

L 31393-66

ACC NR: AP6021095

SOURCE CODE: CZ/0008/66/000/001/0078/0083

27
B

AUTHOR: Kilkertova, Jirina

ORG: Laboratory for Endocrinology and Metabolism, Faculty of General Medicine,
Charles University, Prague (Laborator pro endokrinologii a metabolismus, Fakulta
vseobecneho lekarstvi, Karlova Universita)TITLE: Preparation and activity determination of pyridine nucleotidase in animal
tissues

SOURCE: Chemicke listy, no. 1, 1966, 78-83

TOPIC TAGS: pyridine, experiment animal, enzyme, tissue, physiology, liver,
biochemistryABSTRACT: The author studied the activity of pyridine nucleotidase in the spleen and
liver of rats, and compared the activities in the erythrocytes of rabbits, mice, man,
rats, dogs, guinea pigs, and gophers. The preparation of enzymes from various sources
is described. The determination of the enzymatic activity and units of this activity
are discussed. Orig. art. has: 3 figures, 2 formulas, and 3 tables. [JPRS]

SUB CODE: 06 / SUBM DATE: 12Dec64 / OTH REF: 010

Card 1/1 CC

PODGORSKI, Andrzej, mgr. inz.; HILGIER, Janusz, mgr. inz.

A wide-band power amplifier for the recording of recovery
transient voltage during short circuit tests. Inst elektrotech
prace 10 no.28:33-46 '62.

1. Zaklad Urzadzen Rozdzielczych i Zabezpieczen, Instytut Elektro-
techniki, Warszawa.

ELBAUM, Jakub, doc.; HILGIER, Janusz, mgr. inz.

Improvement of the parameters of the SC-200 contactor by applying the impulse drive for alternate current to it. Przegl elektrotechn 38 no.7:312 J1 '62.

1. Instytut Elektrotechniki, Warszawa.

ELBAUM, Jakub, doc. mgr inz.; HILGIER, Janusz, mgr inz.

Contactor with A.C. driving electromagnet with solid core and armature.
Gosp. paliw 11 Special issue no.(95):55-57 Ja '63.

1. Instytut Elektrotechniki, Warszawa.

HILKEN, I.

Use of artificial materials in railroad transportation. p. 202.
For speedy transportation of exports. p. 204.
ZELEZNICE, Prague, Vol. 4, no. 8, Aug. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

HILKEN, I. ; TRUSNAK, Z.

"Use of polyamide hubs in the distribution mechanism of steam locomotives." p. 677.

STROJIRENSTVI. (MINISTERSTVO TEZKEHO STROJIRENSTVI, MINISTERSTVO PRESNEHO STROJIRENSTVI A MINISTERSTVO AUTOMOBILOVEHO PRUMYSLU A ZEMEDELSKYCH STROJU.)
Praha, Czechoslovakia, Vol. 5, no. 9, Sept. 1955.

Monthly List of East European Accessions (EEAI), LC, Vol. 8, No. 9, September 1959.
Uncl.

Hilken, I.

CZECHOSLOV-KLA / Chemical Technology. Chemical Products and Their Application. Synthetic Polymers. Plastics. H

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33323.

Author : Hilken, I., Tresnak, Z., Masin, A.

Inst : Not given.

Title : Heat Treatment of Polyamide Articles, Manufactured by Die Casting.

Orig Pub: Strojirenstvi, 1958, 8, No 7, 525-527.

Abstract: The influence of heat treatment of articles made of polycaprolactam on the structure and mechanical properties of the material were investigated. It was established that by keeping the polyamide in oil at 160-170° for 2 hours, its hardness is increased considerably. Supplementary heat treat-

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CZECHOSLOVAKIA / Chemical Technology. Chemical Products H
and Their Application. Synthetic Poly-
mers. Plastics.

Abs Jour: Ref Zhur-Khimiya, No 9, 1959, 33323.

Abstract: ment in boiling distilled water brings about a substantial lowering of hardness. The X-ray investigation of polyamide specimens by Hormans' method indicated the pre-eminently hexagonal structure of the crystalline phase of the articles, manufactured by die casting. Rontgenograms and photometric curves are submitted, which show that during the heat treatment of polycaprolactam, there takes place a transition of the hexagonal structure of the crystalline phase into a monoclinic structure, thereby improving the mechanical properties of the polyamide (toughness, hardness, durability and abrasion). Since the abrupt change in the structure is observed at 170°

Card 2/3

273

HILKEN, I., inz.

"Polyethylene" by F.Tomis. Reviewed by I.Hilken. Strojirenstvi
tl no.12:952-953 D '61.

HILKEN, I., inz.

The 1st National Conference on Plastic Coatings. Strojirenstvi
13 no.3:235 Mr '63.

HILKEN, I., inz.

"Processing of thermoplastic substances" by Spurnik. Strojirenstvi
14 no.8:633 Ag '64.

HILL, H.

"Double Curved Stone and Brick Arches." p. 25, (MAGYAR EPITOIPAR, Vol. 2, no. 1, Jan. 1953, Budapest, Hungary)

SO: Monthly List of East European Accessions, LC, Vol. 3, No. 5, May 1954/Unclassified

Z/032/61/011/001/008/008
E073/E335

AUTHOR: Hilken, I., Engineer

TITLE: Conference on Utilisation of Plastics in Engineering

PERIODICAL: Strojírenství, 1961, Vol. 11, No. 1,
pp 72 - 73

TEXT: Ústav pro výzkum strojů Československé akademie věd (Institute for Machinery Research of the Czechoslovakian Academy of Sciences) arranged an all-state conference on using plastics in engineering, which was held at Liblice from November 1 - 3, 1960. Thirty papers were read and discussed. In his opening address Engineer Květoněk, director of the organising institute, emphasised that the present trend is towards increasing the parameters of the equipment and improving the productivity.

Engineer B. Pavlík (SPK) spoke of the economic problems of plastics as compared with traditional engineering materials; in Czechoslovakia, plastics are of extreme importance in view of the fact that Czechoslovakia does not have satisfactory reserves of raw materials for its ferrous and

Card 1/4

Z/032/61/011/001/008/008

Conference on

E073/E335

non-ferrous metallurgy industry and the Czech power resources are relatively expensive. The import of Soviet crude oil opens up wide potentialities for the development of a plastics industry and 1 ton of plastics can replace 3-10 tons of non-ferrous metals.

Engineer Hnídek (MCHP) compared the world production of plastics with the development of the production in Czechoslovakia; the consumption is likely to increase from the present 14 kg per head to an average of 30-35 kg by 1975. ✓
Engineer J. Šebenda (UMCHČSAV) spoke of the manufacture of alkali polymerised polyamide, a method which enables manufacture of massive castings from high molecular polyamine (three Czech patents).

Academician Professor Š. Wichterle pointed out the possibility of replacing steel and cast iron by plastics.

Engineer V. Zilvar (SVÚMT) spoke of the results achieved at SVÚMT in solving the problems of polyamide fatigue.

Personnel of VÚSPL-Pardubice spoke of epoxyde resins with a higher heat resistance.

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Conference on Utilisation

Z/032/61/011/001/008/008
E073/E335

Papers by Engineer M. Kučera (SVÚS-Hradec Kralové) and Dr. Zelinky (Vertex) dealt with the properties of glass and glass-fibre products.

J. Cepel (VÚGPT-Gottwald) dealt with increasing the resistance to water of polyester laminates.

Engineer O. Slezák (Kovona, n.p. Karviná) spoke of the basic principles to be applied in designs in which polyester glass laminates are used.

Engineer B. Schreiber (SVÚMT) reported on plastics of a high strength and high thermal resistance (phenol, epoxyde, silicon and melamine laminates).

Engineer J. Kabelka and J. Vejchar (Ústav pro výzkum strojů ČSAV - Institute for Machinery Research of the ČSAV) presented two papers on polyester laminates.

A further set of papers was devoted to glues.

A. Chvátal (SVÚOM) reported on corrosion-resistance of plastics and plastic coatings.

Engineer F. Kadlec (Fatra-Napajedla) spoke of lining, coating, varnishing and dipping containers and other articles in PVC.

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Conference on Utilisation

Z/032/61/011/001/008/008
E073/E335

Vl. Hynková (VZLÚ-Letňany) presented a paper "Foam polyurethanes
as a filling material in sandwich structures"

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L 63298-65

CZ/0034/64/000/010/0724/0727

13

B

ACCESSION NR: AP5020877

AUTHOR: Hill, Eduard (Engineer)

TITLE: Noise in industrial furnaces and combustion installations

SOURCE: Hutnicke listy, no. 10, 1964, 724-727

TOPIC TAGS: acoustic noise, furnace, industrial plant, combustion, industrial hygiene

ABSTRACT: Discussed are methods of reducing noise in furnaces and other combustion installations. After defining the causes and nature of the noise the author analyzes the following types of combustion: low-frequency vibration combustion, high-frequency vibration combustion, and the noise caused by the quick flow of gases. In the conclusion he summarizes principles for reducing the noise. Orig. art. has: 2 figures, 5 formulas.

ASSOCIATION: VZKG, Ostrava

SUBMITTED: 00

ENCL: 00

SUB CODE: 60,6P

NR REF Sov: 003

OTHER: 019

JPRS

Card 1/1

CZECHOSLOVAKIA / Human and Animal Morphology, Normal and Pathologic--Histochemistry S-3

Abstr Jour: Ref Zhur-Biol., No 13, 1956, 59615

Author : Hill, Miroslav

Inst : Not given

Title : A Study of Gomori's Alkaline Phosphatase Reaction I. Removal of the Diffusion Artifacts

Orig Pub: Ceskosl. morfol., 1956, 4, No 1, 1-9

Abstract: When Gomori's alkaline phosphatase reaction is slowed down, the amount of precipitated calcium phosphate increases, and its diffusion decreases accordingly. The addition of magnesium ions makes the results worse. The speed of calcium phosphate absorption depends on the temperature, a temperature

Card 1/2

CZECHOSLOVAKIA / Human and Animal Morphology, Normal S-3
and Pathologic -- Histochimistry

Abstr Jour: Ref Zhur-Biol., No 13, 1952, 59615

of 7 degrees considerably retarding this absorption. Embedding in paraffin helps reduce the artifacts, but does not completely eliminate their formation. The activity of the enzyme gradually decreases with incubation, but no loss of enzymatic activity was observed by the author after 2-day incubation at 7 degrees. A modification of Gomori's method is proposed: sections should be embedded in paraffin and incubated at 7 degrees in an environment without an activator and with a calcium concentration of 0.04 M. In this manner, the localization of the enzyme is preserved, and the specific reaction in the nuclei can be distinguished from the artifacts. -- V. A. Dorfman

Card 2/2

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✓ Country : CZECHOSLOVAKI.
Category: Human and Animal Physiology. Action of Physical
Factors. Ionizing Radiation.

Abs Jour: RZhBiol., № 19, 1958, 89366

Author : Hill, M.; Praslicka, M.

Inst : -
Title : Early Cytological Changes of the Lymphocytic and
Myeloid Tissues of the Spleen of the Mouse Following
Irradiation.

Orig Pub: Ceskosl. biol., 1957, 6, № 1, 6-15.

Abstract: Within 1-30 hours following a single general irra-
diation of mice (104) with 550 r a series of dege-
nerative changes was observed: fragmentation of the
lymphocytes in the follicles and of the erythoblasts
in the red pulp, karyorrhexis of the eosinophiles and

Card : 1/2

T-141

CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological). Effect of Physical Factors. Ionizing Emissions.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80130.

Author : Praslicka, Milan; Hill, Miroslav.

Inst :

Title : The Influence of Different Forms of Narcosis on the Development of Early Histological Changes in the Spleen of Mice after X-Ray Exposure.

Orig Pub: Ceskosl. biol., 1957, 6, No 1, 16-22.

Abstract: Histological changes were traced in 208 mice in the spleen during the first 30 hours after x-ray exposure with a dose of 500 r in combination with application of ether, ethanol, chloralhydrate and luminal temporary narcosis, immediately before

Card :1/2

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CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological). Effect of Physical Factors.
Ionizing Emissions.

T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 80130.

exposure or continuing (to 12 hours) and immediately after exposure. All narcotics applied both before and after exposure inhibited the appearance of the destruction of lymphocytes and phagocytes of the cellular fragments 3-4 hours in comparison to the control. To a lesser degree, the appearance of a regenerative wave was delayed by granulopoiesis and the setting in of karyorrhexis of the eosinophils. The strongest influence was exerted by ethanol narcosis; the least effect was observed with the use of luminal. The significance of these changes for the prognosis of radiation sickness is unclear.

Card : 2/2

EXCERPTA MEDICA Sec 16 Vol 7/6 Cancer June 59

2076. **Quantitative and qualitative changes in splenic mast cells of irradiated mice** Quantitative und qualitative Veränderungen der Milz-Mastzellen röntgenbestrahlter Mäuse. HILL M. and PRASLICKA M. *Histol-Embryol. Inst., Med. Fak. der Univ. und Biophys. Inst., Tschechoslowakische Akad. der Wissenschaften, Brno* *Acta haemat. (Basel)* 1958, 19/4-5 (278-288) Graphs 1 Tables 1 Illus. 10

After total irradiation of mice a massive and rapid differentiation of mast cells from the reticulum cells was noted. Discharge or lysis of the granules followed, with an increase in blood heparin.

HILL, M.

Studies on the mechanism of damage of the hemopoietic tissue by
radiation. Cesk. fysiol. 9 no.2:177 Mr '60.

1. Biofysikalni ustav CSAV, Brno.
(RADIATION INJURY exper)
(HEMATOPOIETIC SYSTEM radiation eff)

L 13303-66 EWA(1)/T/EWA(b)-2 JK

ACC NR: AP6006009

SOURCE CODE: CZ/0053/65/014/001/0276/0276

AUTHOR: Hill, M.ORG: Biophysics Institute CSAV, Brno (Biophysikalni ustav CSAV)TITLE: Intercellular transport of DNA [This work was presented during Biophysical Days, Brno, 11 June 1964.]SOURCE: Ceskoslovenska fysiologie, v. 14, no. 4, 1965, 276

TOPIC TAGS: DNA, mouse, cell physiology, radioisotope, tracer study

ABSTRACT: Study of thymidine- H^3 - tagged DNA in lymphocytes of mice C57Bl mixed with various other reticular cells indicates that direct contact between cells is required for transfer of the lymphocyte DNA. Murine thymus lymphocytes tagged with thymidine- H^3 contain 90% of the activity in the nucleus. [JPRS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 002

Card 1/1

L 40215-66 EEC(k)-2/T (Rev. 1)
ACC NR: AF6018287

SOURCE CODE: P0/0053/65/000/011/0521/0524

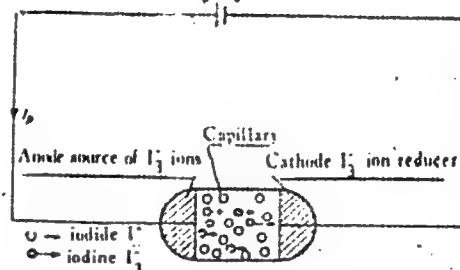
AUTHOR: Hill, Michal51
B

ORG: None

TITLE: The "Solion" electrochemical diode 15SOURCE: Przeglad elektroniki, no. 11, 1965, 521-524

TOPIC TAGS: electrochemistry, electrolyte, semiconductor diode, fluid diffusion

ABSTRACT: The author discusses the operating principle and characteristics of a newly developed electronic semiconductor device, the "solion" electrochemical diode. The operating principle of the device is illustrated in figure 1. This principle is used as the basis of two types of integration diodes. The first type is the "concentration" diode consisting of two electrodes separated by a semipermeable diaphragm. The diaphragm is a mechanical insert designed for setting up an artificial diffusion barrier. The second type of integration diode is the



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UDC: 621.389

L 40215-66

ACC NR: AP6018287

"gradient" type illustrated in figure 2. The author discusses the design and operation

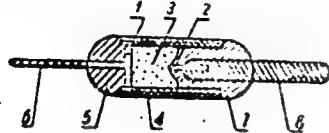


Figure 2. 1--anode (Pt); 2--cathode (Pt); 3--electrolyte; 4--plastic tube; 5--plastic plug for the diode; 6--wire lead (Cu); 7--plastic plug for the cathode; 8--rod lead (Cu)

of this diode in detail. The container is made in the form of a plastic tube sealed with plastic stoppers at each end. The anode is a circular plate of platinum 3 mm in diameter fastened to one plastic stopper. The terminal wire is fastened to the platinum anode and passes through the plastic stopper. The cathode is a platinum pin which makes electrical contact with a screw terminal passing through the plastic stopper at the other end of the casing. The electrolyte consists of a 0.5 n solution of Al and a 0.01 n solution of I_2 . A brief explanation of the electrochemical reaction is given. The internal resistance of the diode is approximately 2 K Ω . Orig. art. has: 5 figures.

SUB CODE: 09/ SUBM DATE: 06Mar65/ ORIG REF: 002/ OTH REF: 002

Card 2/2 *Jo*

KUBIKOVA-KOURILOVA, A.; HILL, Z.; Technicka spoluprace: PITZALOVA, G.

A simplified compatibility test for extracorporeal circulation
and for extensive transfusions. Rozhl. chir. 44 no.12:831-834
D '65.

1. Fakultni transfuzni stanice v Brne (prednosta MUDr. J. Vacl)
a Vyzkumny ustav pediatricky v Brne (reditel prof. dr. Z. Bru-
necky).

HILLAR
GILLAR, Ferdinand [Hillar, Ferdinand], inzhener.

Basic trends of scientific research on transportation problems.
Zhel. dor. transp. 39 no.5:45-48 My '57. (MLRA 10:6)

1. Nachal'nik Nauchno-issledovatel'skogo instituta transporta.
(Czechoslovakia--Railroad research)

RZECZYCKI, W.; HILLAR, M.

Respiration of the submandibular salivary gland in a steer and
production of mucin in vitro. Acta biochim. polon. 7 no.2/3:
261-268 '60.

1. Zaklad Chemii Fizjologicznej AM, Gdańsk Kierownik prof. dr
Wł. Mozołowski.
(SUBMAXILLARY GLAND metab)
(MUCIN metab)

HILLAK, M.

Uncoupling of oxidative phosphorylations by basic proteins.
Acta biochim. Pol. 12 no.4:379-385 '65.

1. Department of Biochemistry, Medical School, Gdansk, Poland.

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.

The cathodic proteins in hog kidney mitochondria. Acta biochim. polon.
9 no.3:295-299 '62.

1. Department of Biochemistry, Medical School, Gdansk.
(MITOCHONDRIA - chemistry) (KIDNEY - chemistry)
(PROTEINS - chemistry) (ELECTROPHORESIS)

RZECZYCKI, W.; GRUDZINSKA, Alicja; HILLAR, M.; WSZELAKI-LASS, Ewa

Isolation and amino acid composition of the cathodic protein from
hog kidney mitochondria. Acta biochim. pol. 10 no.1:49 '63.

1. Department of Biochemistry, Medical School, Gdansk.
(NO SUBJECT HEADINGS)

RZECZYCKI, W.; BARDON, Alicja; HILLAR, M.; WOJCIECHOWSKI, J.

Sialic acid and other protein-bound carbohydrates in Ehrlich
mouse ascites tumour fluid. Acta biochim. polon. 10 no.3:
315-319 '63.

1. Department of Biochemistry, Medical School, Gdansk.
(NEURAMINIC ACIDS) (CARCINOMA, EHRLICH TUMOR)
(HEXOSES) (HEKOSAMINES) (PROTEINS)

HILLAR, M.; RZECZYCKI, W.

Interaction of macrocations and macroanions with mitochondria.
Acta biochim. Pol. 12 no.2:133-141 '65

1. Department of Biochemistry, Medical School, Glansk.

HILLERICH, A.

Pennak's observations concerning factors controlling the number of plankton. p.101.

EKOLOGIA POLSKA. SERIA B. Warszawa, Poland. Vol. 1, no. 3/4, 1955.

Monthly List of East European Accessions Index, (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

HILLERICH, A.

New experimental data concerning natural selection and intraspecies competition. p.650.
(KOSMOS. SERIA A: BIOLOGIA. Vol. 5, no. 6, 1956, Warsaw, Poland)

SO: Monthly List of East European Accessions (EEAL) LC, Vol. 6, no. 9 Sept. 1957 Uncl.

HILLBRICHT, A.

The presence of Rotatoria in the vegetation of the Konfederatka, formerly a part of the Vistula River. p. 61.

EKOLOGIA POLSKA. SERIA B. (Polska Akademia Nauk. Komitet Ekologiczny)
Warszawa, Poland. Vol. 5, no. 1, 1959.

Monthly List of East European Accessions (EEAI) LC, Vol 9, no. 2, Feb. 1960

Uncl.

HILLBRICHT-ILKOWSKA, A.

Character of the horizontal distribution of plankton rotifers
in ponds with various densities of fish population. Bull. acad.
Pol. sci. (Biol) 13 no.3:151-156 '65.

1. Submitted October 15, 1964.

1971

RODRIGUEZ, J. A.; Instituto de Recursos Naturales, Facultad de Ciencias, Universidad de Puerto Rico, Rio Piedras, Puerto Rico 00931, Poliflor, 1970

"Bioluminescent Rotifers (Rotatoria) in Pond-Mixing by Stocked with Carp Fry"

Barraza, Julian de. "Academie Polonaise des Sciences, Comptes Rendus des Séances Académie des Sciences, Paris, 277, 1973, pp 537-543.

Abstract: (English article) Report on investigations made during two consecutive years to the character of rotifer occurrences in several newly built ponds of the same surface area and depth, of similar construction, situated in close proximity and all independently fed from a river and no treated. The ponds were variously stocked with carp fry and the occurrence of rotifers was found to vary in particular ponds in clear correlation with stocking. (Author, 1 page; 7 references, 1971, Mexico.)

HILLBRICHT-ILKĘWSKA, A.; PIECZYNSKI, E.

Profesor dr. Marian Gieyszter, Feb.22, 1901-June 5,1961.
Kosmos Biologia 11 no.2:141-143 '62

"APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618020015-8

HILLBRICHT-ILKOWSKA, Anna

The 4th Conference on Ecology in Kiev, April 2-7, 1962.
Kosmos biol 11 no.5:575-578 '62.

APPROVED FOR RELEASE: 08/10/2001

CIA-RDP86-00513R000618020015-8"

HILLBRICHT-ILKOWSKA, A.

Effect of carp fry as predators on some rotifer (Rotatoria) species. Bul Ac Pol biol 11 no.2:87-89 '63.

1. Institute of Ecology, Polish Academy of Sciences, Warsaw.
Presented by K. Petrusewicz.

HILLE, Alfred

WING 4

Hille, Alfred, Futáramlások és magassági frontlinák. [Jetstreams and frontal zones in the upper air.] *Időjárás*, 58(2):90-95, March/April 1954. 3 figs., 6 refs. Both German and English summaries p. 90. MH-BH—Jet streams and frontal zones of the upper air may be considered as outstanding problems of meteorological research today. The author reviews the present state of knowledge on the subject, emphasizing the connection between the two phenomena. *Subject Headings:* 1. Jet stream 2. Frontal zones.—Author's abstract.

HILLE, ALFRED

Repulesi meteorologia. Budapest, Akademiei Kiado, 1955. 297 p.
(Aeronautic meteorology. 16 plates, maps, bibl., index, tables)

HILLE, ALFRED

7.7-66

Hille, Alfred, A forgalmi repülés időjárású biztonságának adatok. [Weather service for commercial airlines.] *Időjárás*, Budapest, 59(1):46-50, Jun./Feb. 1955. DLA—The work performed by the aviation department of the Hungarian Meteorological Institute is described. The Department consists of two sections, namely the Budapest center (located at Ferihegy airport) and the provincial network (with stations at commercial airports). The Budapest center has a staff of synopticians, observers, radio operators and draftsmen. Observation, data collection, analysis and briefing (monitoring) are the principal duties of the center. Each of the eleven provincial airport stations is manned by three trained meteorologists who alternate on observation and flight-briefing duty in 24-hr shifts. The operations of these observers and of the Budapest center are described in detail. Subject Headings: 1. Aeronaautical meteorological services 2. Hungary.—G.T.

SSI.502.38.056.1

HILLE, A.

Funnel-shaped cloud over Ferihegy Airfield, July 14, 1955. p. 306

Vol. 59, no. 5, Sept./Oct. 1955

IDOJARAS
Budapest

Source: Monthly list of East European Accessions, (EEAL), LC.
Vol 5, no. 3, March 1956

KASHECI, P. (Tirana); JANO, S. (Tiraná); HILLE, A., dr. [translator]

Some characteristics of temperature and precipitation in Albania.
Idojaras 65 no.2:86-92 Mr-Ap '61.

1. "Idojaras" szerkesztő bizottsági tagjai.

HILLE, Alfred, dr.

Oasis in the ice desert. Elet tud 17 no.36:1143-1146 9 S '62.

HILLE, Alfred, dr.

"Snow cover of the Antarctica" by I.D. Kopanov. Reviewed by Alfred Hille. Idojaras 66 no.2:118 Mr-Ap '62.

1. "Idojaras" szerkeszto bizottsagi tagja.

HILLE, A., dr.

Division of Medical Meteorology of the Hungarian Meteorological Society. Idojaras 66 no.3:190 My-Je '62.

1. "Idojaras" szerkeszto bizottsagi tagja.

HILLE, A., dr.

Agrometeorological Section of the Hungarian Meteorological Society.
Idojaras 66 no.5:320 S-0 '62.

1. "Idojaras" szerkeszto bizottsagi tagja.

ORMENYI, Imre; HILLE, Alfred, dr.

Division of Medical Meteorology of the Hungarian Meteorological Society. Idojaras 66 no.6:383-384 B-D '62.

1. Magyar Meteorologial Tarsasag elnöke; "Idojaras" szerkesztő bizottsági tagja (for Hille).

HILLE, A., dr.

Medical Meteorological Division of the Hungarian Meteorological Society. Idojaras 67 no.1:64 Ja-F '63.

1. "Idojaras" szerkeszto bizottsagi tagja.

HILLE, Alfred, dr.

Experiments for preventing hailstorms. Musz elst 20 no.5:10
11 Mr '65.

KOPPANY, Gy.; HILLE, Alfred; KAKAS, Jozsef; FUTO, Jozsef; KERI, Menyhert; PECZELY, Gyorgy; KOZMA, Bela; SZAPPANOS, Andras; AMBROZY, Pal; GOTZ, Gusztav; PAPP, Laszlo; BELL, Bela; MARTOS, Andras; BACSO, Nandor; HAJOSY, Ferenc; CSAPODY, Istvan; NAGY, Laszlo, igazgato foorvos; DONASZY, Erno; BORONKAI, Pal; ANTAL, Emanuel; TANCZER, Tibor; OZORAI, Zoltan

The 10th itinerant meeting of the Hungarian Meteorological Society in Sopron. Idojaras 68 no.4:249-250 Jl-Ag '64.

1. President, Hungarian Meteorological Society (for Hille).
2. Editor, "Idojaras" (for Kakas). 3. Editorial Board Member, "Idojaras", Budapest (for Ambrozy, Bell, Keri, Ozorai).

HILLE, EINAR

2

Hille, Einar. On the differentiability of semi-groups operators. Acta Sci. Math. Szeged 12, Leopoldo Fejér et Földes Ián Riesz LXX anniversario, Szeged, 1950, pp. 19-24 (1950).

Suppose A is a closed, distributive operator on the Banach space B to \mathbb{R} with domain dense in B , whose resolvent $R(\lambda, A)$ satisfies $\|R(\lambda, A)\| \leq \lambda^{-1}$ for positive λ . Then it is known that A is the infinitesimal generator of a semigroup $T(t)$ ($t \geq 0$) of linear operators on B to B . If T has a derivative $T'(t)$ then $(T'(t)x, A T(t)x)$. The paper considers some order of growth results on $T(t)$, which are interrelated with hypotheses on A , on the range of x in $R(A)$. These lead to conditions on A so that $T'(t)$ has higher derivatives at $t=0$.

D. L. Burkholder, Princeton, NJ

Source: Mathematical Reviews, Vol. 12, No. 2.

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(HYPOPHYSECTOMY)

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of bakery goods. I. Acta pol. pharm. 28 no.5:441-444 '61.

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HILLER, Jan

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Medycznej. Kierownik: prof. dr T.Pawlikowski.

(MOUTH, anatomy and histology,

changes of size of cells of superficial layer of epithelium
in males)

(EPITHELIUM, anatomy and histology,

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in males)

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601-603 13 Ap '64.

1. z Oddziału Chorób Wewnętrznych Szpitala Miejskiego nr 2 w Mysłowicach (ordynator: dr. med. Z. Franz).

HILLER, J.

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SO: Monthly Index of East European Accessions (EEAI) LC, Vol 7 no 1 Jan 1958

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HILLER, Jozsef

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Jozsef Hiller. Epites-szamle-7 no.2:60-61

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no.12:3 D '64.

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/ Action of narcotics on amoeba by means of microinjection and immersion. II. Influence of alcohols. S. Hilde (Akad. Lekarska, Gdansk, Poland). *Proc. Intern. Congr. Exptl. Cytol.*, Stockholm, 1947. *Exptl. Cell Research Suppl. 1*, 374-7 (1949); cf. *C.A.* 22, 3222. — The effect of narcotics on amoebae depends on changes in protoplasmic viscosity and surface tension. The decrease in surface tension can be induced both by injection and immersion. Felix Saunders

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faults process and their prevention. Wladyslaw BULIG
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and errors which occur in the production of window glass. The
opinions regarding the causes of defects vary with each individual
B. explains the source and prevention

A.D.I.

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S0:MONTHLY LIST OF EAST EUROPEAN ACCESSIONS, (EEAL), LC, Vol. 4, No. 5,
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MOTORYZACJA, Warszawa. Vol 10, no. 9, Sept. 1955.

SOURCE: East European Acession (EEAL) Library of Congress
Vol. 5, no. 8, August 1956.

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GENERAL

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Hillers, S. The question of the preparative obtaining of new ganglio-blockaders, pentapyrrolidinium and tetrapiperidinium. In Russian. p. 79

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February 1959, Undclass.

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HILLERS, S.

Catalytic vapor-phase oxidation of furan with air, oxygen.
S. Hillers and M. Tsvetko. Izdatelstvo Akademii Nauk SSSR, 1961, No. 64, 89-92 (in Russian).—A mixt. of air-furan vapor in molar ratios 1400:1 to 3000:1 was passed through a catalyst bed at 220-270°, with a contact time of 0.0-1.4 sec. Two catalysts were used: $V_2O_5 + MoO_3 + TiO_2 + B_2O_3$ on pumice, and $V_2O_5 + MoO_3 + Fe_2O_3 + P_2O_5$ on pumice. Furan was oxidized completely to 75% maleic acid. A. D.

HILLIERS, S.

Catalytic oxidation of furfural in vapor-gas phase with air oxygen. M. Tarvila, S. Hilliers, and P. Kulang. *Latvijas PSR Zinātņu Akad. Īst. Īzglītības 1952, 586, 11* (Whole No. 64), 57-86 (in Russian). Numerous types of V-bearing catalysts, with and without support, were investigated for their activity in catalyzing the oxidation of furfural vapor to maleic acid with air at atm. pressures and 260-375°. Typical catalysts were: V_2O_5 (II) on pumice; V_2O_5 on Al; in g. per 100 ml. of the carrier, 5.5 I and 10.3 TiO_2 on pumice; 11.8 I, 5.0 MoO_3 , 0.85 Co_2O_4 on pumice; 21 $AgVO_3$ on pumice; 5.7 I, 1.0 MoO_3 , 1.1 P_2O_5 , 0.3 Re_2O_7 on pumice; 15.2 I, 3.6 MoO_3 , 1.0 B_2O_3 , 0.8 TiO_2 on Al (II) or pumice. The salts and the oxides were placed on the carriers from a thin suspension by a slow evapn. of the corresponding salt, oxide, and carrier mixt., with or without help of sacrificial organic binders. The catalysts were slowly dried at 160° in air stream, followed by a gradual increase to 300° within 12 hrs., and holding at 320° for addnl. 12 hrs. The final activation was achieved by heating for 40 hrs. at 370° in a rapid air stream. One-pass conversions of 75-80% were obtained with the best mixed oxide catalyst, with no decrease in activity for 900 hrs. The air-furfural molar ratios were 100:1 to 400:1, and the contact times 0.75-2 sec. The best catalyst was II, and the optimal conditions: air-furfural molar ratio 180:1 to 240:1, temp. 270°, contact time 1.5 sec.; 97% of furfural was oxidized, yielding 80% maleic acid. *Andrew Dravleks*

Hillers, S.

Anti-tuberculosis activity of a preparation with isonicotinoyl hydrazide. S. Hillers, M. Lidaks, M. Berkhava, and M. Tarvida, *Latvijas PSR Zinātņu Akad. Vestis* 1952, No. 10 (Whole No. 63), 157-60 (in Russian).--Prepn. IN-73, m. 100-2%, was obtained from the so-called β -picolinic fraction of the pyridine bases from a phenol plant by oxidation with KMnO_4 or H_2SO_4 with SeO_2 or in vapor phase with air over V catalysts, with subsequent esterification with EtOH , and reaction with $\text{NH}_2\text{NH}_2\cdot\text{H}_2\text{O}$ to form a mixt. of hydrazides. The prepn. had bacteriostatic activity in 3% glycerin bouillon cultures of several Mycobacteria in diln. of $1:8 \times 10^6$ as compared to $1:8 \times 10^6$ for the pure isonicotinic acid hydrazide. Andrew Dravnieks

HILLERS, S.
USSR

Preparation of isonicotinic acid from the light (" β -picoline") fraction of the pyridine bases. M. Lidaus, S. Hillers, and N. Naumenko. *Latvijas PSR Zinātņu Akadēmija 1953, No. 12* (Whole No. 77), 81-82 (in Russian). — The " β -picoline" fraction (b. 142-6°) (I) from phenol production contained 15-20% γ -picoline. I (1.6 kg.) was condensed with formaldehyde (3 kg. of 40% soln.) on water bath for 50 hrs. The residue from steam distn. contained trimethylol- γ -picoline (II) in 90% yield. II was oxidized to isonicotinic acid nitrate (III) by warm 10% nitric acid; the isonicotinic acid was prep'd. from III by boiling with 10% Na carbonate soln. In a variation, the oxidation of II was conducted at 00-5° with solid $KMnO_4$. The overall yield was 70-80%. *Handwritten signature*

Andrew Eravnicka

CZECHOSLOVAKIA / UNITED STATES

MRAZ, M.; HILLMAN, Z.G.; ASIMONE, J.; Pharmacological Institute, Faculty of General Medicine (Farmakologicky Ustav Fak. Vseob. Lek.), Prague; Dept. of Pharmacology, Indiana University, School of Med., Indianapolis,

"The Influence of Drugs on Krebs' Tricarboxylic Cycle."

Prague, Ceskoslovenska Fysiologie, Vol 15, No 5, Sep 66, p 419

Abstract: Glutamate -2-C¹⁴ metabolized in Krebs' cycle can yield lactate tagged in two ways. Lactate containing C¹⁴ in the carboxylic group can be formed only via succinate, oxalacetate, and pyruvate, that is by the normal Krebs' cycle; glutamate metabolized via citrate, oxalacetate, and pyruvate produces a lactate tagged on C 2 and 3. Experiments with rats to which catecholamines were administered showed that only 1/3 of the lactate was produced through the Krebs' cycle, while 2/3 were produced via the other path. The influence of various doses of catecholamines on the proportions of glutamate metabolized through the two different paths is discussed. The influence of insulin is described. No references. Submitted at 14 Days of Pharmacology at Smolenice, 17 Feb 66.

1/1

- 49 -

SEAPPROVED FOR RELEASE: 08/10/2001 CIA-RDP86-00513R000618020015-8
HILLOVA, L., MUDr.

Role of Escherichia coli B 50 55 in the etiology of infantile and neonatal diarrhea. Cesk. pediat. 10 no. 9:694-697 Nov 55.

1. Z detskeho oddeleni KUNZ Jihlava (pred. prim. Dr. Pavel Sevcick), ze Statniho kojeneckeho ustavu v Jihlavě (pred. prim. MUDr. J. Borsky), z Krajske hygienicko-epidemiologicke stanice (pred. prim. MUDr. H. Vojtova).
(ESCHERICHIA COLI, infections,
diarrhea in newborn)
(DIARRHEA, in infant and child,
newborn, caused by E. coli)
(INFANT, NEWBORN, diseases,
E. coli diarrhea)

HILMERA, JIRI

Domazlice; mestska reservace Statni pamatkove spravy

Statni telovychovne nakl, 1955; 47 pages

Praha, Czechoslovakia

Monthly List of East European Accession EEA1 LC, Vol. 8, no. 6, June 1959

Uncla.

HILMERA, Jiri

Jindrichuv Hradec, Mestska pamatková rezervace a statni zamek. (Jindrichuv Hradec; Historical Town Monuments and the State Castle; a tourist guide. 1st ed. illus., map) Authors: Jiri Hilmera, in cooperation with M. Blazicek, Jaroslav Chudoba, Frantisek Pala. Prague, Sportovine a turisticke nakl., 1957. 47 p.

Bibliograficky katalog, CSR, Ceske knihy, No. 30. 3 Sept 57. p. 648-49.

L 42977-66 EWP(v)/T/EWP(k)/EWP(b)/EWP(d) 11/17/65 10:15 AM/JD
ACC NR: AP6008358

SOURCE CODE: RU/0017/65/000/001/0001/0001

16
B

AUTHOR: Hilma, L. (Engineer); Maniu, Al. (Engineer)

ORG: Hilma Metrom Works, Brasov (Uzinele Motrom); Maniu Polytechnical Institute, Brasov (Institutul politehnic)

TITLE: Cu-Cr alloys for electric resistance welding electrodes

SOURCE: Metalurgia, no. 1, 1965, 1

TOPIC TAGS: chromium containing alloy, copper alloy, welding electrode, resistance welding, tensile strength, electric conductivity, cold working

ABSTRACT: The authors discuss the advantages and proper treatment of Cu-Cr alloys for resistance welding electrodes. Thermically treated and cold-hammered Cu-Cr alloys containing 0.5 to 1 percent Cr have a tensile strength of 58 kilograms per millimeter and electrical conductivity of nearly 80 percent that of pure copper, even after heating to 400 degrees centigrade. The necessary hardness (at least 130 kilograms per millimeter) can be supplied by proper hardening-tempering followed by 50 percent cold hammering. Orig. art. has: 5 figures and 4 tables.

[JPRS]

SUB CODE: 11, 13 / SUBM DATE: none / OTH REF: 002

Card 1/1 hs UDC: 669.35'26:621.791.042

HILOHI, Calin, ing.

The "fifth wheel" device for dynamic tests of motorcars.
Rev transport 10 no.2:75-82 F '63.

HILGH, Calin, Ing.

A grapho-analytic method for determining the coefficient of
automobile aerodynamic resistance. Constr mas 16 no. 3;
153-155 Mr '64.

L 30720-66

ACC NR: AP6022117

SOURCE CODE: RU/0018/65/000/009/0499/0505

AUTHOR: Hilchi, Calin

11

ORG: none

B

TITLE: Calculation of car brakes with internal floating shoes

SOURCE: Constructia de masini, no. 9, 1965, 499-505

TOPIC TAGS: vehicle component, unarmored vehicle

ABSTRACT: In this note, the second of a series, the author calculates various functions and parameters for the more common types of car brakes with internal floating shoes. Orig. art. has: 15 figures and 77 formulas. [Based on author's Eng. abstr.] [JPRS]

SUB CODE: 13 / SUBM DATE: none / OTH REF: 006

Card 1/1 FV

UDC: 629.113-592.112.001.24

09/5

0030

HILSCH, R.

HUNGARY/Atomic and Molecular Physics - Low Temperature Physics

D-5

Abs Jour : Ref Zhur - Fizika, No 10, 1958, No 22641

Author : Buckel W., Hilsch R., Minnigerode G.V.

Inst : Institute of Physics, University of Gottingen, Germany

Title : Effect of Plastic Deformation at Low Temperatures on the Superconductivity of Gallium.

Orig Pub : Acta phys. Acad. sci. hung., 1957, 8, No 1-2, 5-18

Abstract : An investigation was made of the influence of plastic deformation on the superconductivity of gallium. An increase in the transition temperature T_c was observed after cold working for both modifications of gallium. It is possible to raise the value of T_c for ordinary gallium from 1.07° to 2.5° K and more by means of plastic deformation at helium temperature. For the other modification of gallium, which occurs in the case of condensation at rapid cooling below 60°K, the value of T_c rises from 6.5 to 7°K and above. Certain factors, which influence this change in the properties of gallium as the result of plastic deformation at low temperature, are examined.

Card : 1/1

HILSE, A.

Mechanization problems in connection with the introduction of new
exploitation methods in the northern Bohemian brown coal mines.
p. 281.
UHLI, Prague, Vol. 4, no. 9, Sept. 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Unclassified.

HINSENKAMP, Alfred, foeloado

Achievements in the technical development of the silicate industry in 1962. Epites szemle 7 no.11/12:331-338 '63.

1. Epitesugyi Miniszterium Muszaki Fejlesztesi Foosztalya.

ULTRAPOLIA; SKR V. I.

"Our experiences in Discovering and Utilizing Irrigated Resources", p. 258,
(INDUSTRIA TEXTILIA, Vol. 5, No. 10, October 1964, Bucharest, Romania)

SC: Monthly List of East European Acquisitions (EWAI), LC, Vol. 7, No. 3,
March 1955, Uncl.

HILGERRAD, A.; BAI, S.

Let us extend the use of traverse winding frames in the knitting industry. p. 228

Vol. 6, no. 7, July 1955
INDUSTRIA TEXTILA
Bucuresti, Rumania

Source: East European Accession List, Library of Congress
Vol. 5, No. 8, August 1956

H. ISLAMIA

SHIRVAD, A.

SHIRVAD, A. Let us rationalize the system of determination and control of labor quality in knitting (meterage) and preparing of cottons. n. 537.

Vol. 7, no. 12, Dec. 1956.

INDUSTRIA TEXTILA.

TECHNOLGY

ROMANIA

Sc: East European Accession, Vol. 6, No. 4, May 1957

HILSENRAD, A.

Planning of consumption standards for articles made of continuous length knitted fabrics.
p. 152

INDUSTRIA TEXTILA. (Asociatua Stiinifica a Inginerilor si Tehnicienilor din
Romania si Ministerul Industriei Usoare) Bucuresti, Rumania. Vol 10, no.4, 1959

Vol. 8

Monthly List of East European Accessions (EEAI) LC, no.8, Aug. 1959

Uncl.